

06-0392

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Atty. Docket No. 7794

Serial No. 07722,101

LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)

Applicant 08/29/200

Linsley and Ledbetter

Filing Date

June 27, 1991

Group

1644 1805

## U.S. PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DSA	AA	4	6	8	3	2	0	2	07/28/87	Mullis et al.	435	91	
DSA	AB	4	6	8	3	1	9	5	07/28/87	Mullis et al.	435	6	
DSA	AC	4	3	9	9	2	1	6	08/16/83	Axel			
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL													
	AM													
	AN													
	AO													
	AP													

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DSA	AR	Springer et al., "The Lymphocyte Function-Associated LFA-1, CD2, and LFA-3 Molecules: Cell Adhesion Receptors of the Immune System", A. Rev. Immunol. 5:223-252 (1987)
DSA	AS	Dinareello and Mier, "Medical Intelligence - Current Concepts Lymphokines", New Engl. Jour. Med. 317:940-945 (1987)
DSA	AT	Weiss et al., "The Role of the T3/Antigen Receptor Complex in T-Cell Activation", Ann. Rev. Immunol. 4:593-619 (1986)

EXAMINER

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Paul E. Adams, Ph.D.

11/17/92

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant <b>08/219200</b>	
				Linsley and Ledbetter	
				Filing Date June 27, 1991	Group 1644 1806
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<b>QEA</b>	AU	McMichael, Ed., "Non-Lineage, LFA-1 Family, and Leucocyte Common Antigens" New and Previously Defined Clusters", Leukocyte Typing III, Oxford Univ. Press, Oxford, NY (1987) <b>PAGES 788-803</b>			
<b>QEA</b>	AV	Aruffo and Seed, "Molecular Cloning of a CD28 cDNA by a High-Efficiency COS Cell Expression System", <u>Proc. Natl. Acad. Sci.</u> 84:8573-8577 (1987)			
<b>QEA</b>	AW	Damle et al., "Alloantigen-Specific Cytotoxic and Suppressor T Lymphocytes are Derived from Phenotypically Distinct Precursors", <u>J. Immunol.</u> 131:2296-2300 (1983)			
<b>QEA</b>	AX	June et al., "T-Cell Proliferation Involving the CD28 Pathway is Associated with Cyclosporine-Resistant Interleukin 2 Gene Expression", <u>Mol. Cell. Biol.</u> 7:4472-4481 (1987)			
<b>QEA</b>	AY	Thompson et al., "CD28 Activation Pathway Regulates the Production of Multiple T-Cell-Derived Lymphokines/Cytokines", <u>Proc. Natl. Acad. Sci.</u> 86:1333-1337 (1989)			
<b>QEA</b>	AZ	Lindsten et al., "Regulation of Lymphokine Messenger RNA Stability by a Surface-Mediated T Cell Activation Pathway", <u>Science</u> 244:339-343 (1989)			
<b>QEA</b>	BA	Damle et al., "Monoclonal Antibody Analysis of Human T Lymphocyte Subpopulations Exhibiting Autologous Mixed Lymphocyte Reaction", <u>Proc. Natl. Acad. Sci.</u> 78:5096-5098 (1981)			
<b>QEA</b>	BB	Lesslauer et al., "T90/44 (9.3 Antigen). A Cell Surface Molecule with a Function in Human T Cell Activation", <u>Eur. J. Immunol.</u> 16:1289-1296 (1986)			
<b>QEA</b>	BC	Williams and Barclay, "The Immunoglobulin Superfamily - Domains for Cell Surface Recognition", <u>Ann. Rev. Immunol.</u> 6:381-405 (1988)			
<b>QEA</b>	BD	Shaw and Shimizu, "Two Molecular Pathways of Human T Cell Adhesion: Establishment of Receptor-Ligand Relationship", <u>Current Opinion in Immunology</u> , Eds. Kindt and Long, 1:92-97 (1988)			
<b>QEA</b>	BE	Moingeon et al., "CD2-Mediated Adhesion Facilitates T Lymphocyte Antigen Recognition Function", <u>Nature</u> 339:312-314 (1988)			
<b>QEA</b>	BF	Makgoba et al., "ICAM-1 A Ligand for LFA-1-Dependent Adhesion of B, T and Myeloid Cells", <u>Nature</u> 331:86-88 (1988)			

EXAMINER <b>Paul E. Adams, Ph.D.</b>	DATE CONSIDERED <b>11/17/92</b>
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Applicant *08/29/90*  
Linsley and LedbetterFiling Date  
June 27, 1991Group  
1806LIST OF ART CITED BY APPLICANT  
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>QEA</i>	BG	Staunton et al., "Functional Cloning of ICAM-2, A Cell Adhesion Ligand for LFA-1 Homologous to ICAM-1", <u>Nature</u> 339:61-64 (1989)
<i>QEA</i>	BH	Norment et al., "Cell-Cell Adhesion Mediated by CD8 and MHC Class I Molecules", <u>Nature</u> 336:79-81 (1988)
<i>QEA</i>	BI	Doyle and Strominger, "Interaction Between CD4 and Class II MHC Molecules Mediates Cell Adhesion", <u>Nature</u> 330:256-259 (1987)
<i>QEA</i>	BJ	Stoolman, "Adhesion Molecules Controlling Lymphocyte Migration", <u>Cell</u> 56:907-910 (1989)
<i>QEA</i>	BK	Hemler, "Adhesive Protein Receptors on Hematopoietic Cells", <u>Immunology Today</u> 9:109-113 (1988)
<i>QEA</i>	BL	Kishimoto et al., "The Leukocyte Integrins", <u>Adv. Immunol.</u> 46:149-182 (1989)
<i>QEA</i>	BM	Kakiuchi et al., "B Cells as Antigen-Presenting Cells: The Requirement for B Cell Activation", <u>J. Immunol.</u> 131:109-114 (1983)
<i>QEA</i>	BN	Kreiger et al., "Antigen Presentation by Splenic B Cells: Resting B Cells are Ineffective, Whereas Activated B Cells are Effective Accessory Cells for T Cell Responses", <u>J. Immunol.</u> 135:2937-2945 (1985)
<i>QEA</i>	BO	McKenzie, "Alloantigen Presentation by B Cells - Requirement for IL-1 and IL-6", <u>J. Immunol.</u> 2907-2911 (1988)
<i>QEA</i>	BP	Hawrylowicz and Unanue, "Regulation of Antigen-presentation-I - IFN- Induces Antigen-Presenting Properties on B Cells", <u>J. Immunol.</u> 141:4083-4088 (1988)
<i>QEA</i>	BQ	Noelle and Snow, "Cognate Interactions Between Helper T Cells and B Cells", <u>Immunol. Today</u> 11:361-368 (1990)
	BR	<del>Moller, ed., "T Cell Dependent and Independent B Cell Activation", <u>Immunological Reviews</u> 1987, No. 99</del>

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*Paul E. Adams, Ph.D.**11/17/92*

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1806

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Q9A	BS	Poo et al., "Receptor-Directed Focusing of Lymphokine Release by Helper T Cells", <u>Nature</u> 332:378-380 (1988)
Q9A	BT	Bretscher and Cohn, "A Theory of Self-Nonself Discrimination", <u>Science</u> 169:1042-1049 (1970)
Q9A	BU	Janeway, "Approaching the Asymptote? Evolution and Revolution in Immunology", <u>Cold Spring Harbor Symp. Quant. Biol.</u> 54:1-14 (1989)
Q2A	BV	Weiss, "Structure and Function of the T Cell Antigen Receptor", <u>J. Clin. Invest.</u> 86:1015-1022 (1990)
Q2A	BW	Allen, "Antigen Processing at the Molecular Level", <u>Immunol. Today</u> 8:270-273 (1987)
Q2A	BX	Schwartz, "A Cell Culture Model for T Lymphocyte Clonal Anergy", <u>Science</u> 248:1349-1356 (1990)
Q2A	BY	Weaver and Unanue, "The Costimulatory Function of Antigen-Presenting Cells", <u>Immunol. Today</u> 11:49-55 (1990)
Q2A	BZ	Springer, "Adhesion Receptors of the Immune System", <u>Nature</u> 346:425-434 (1990)
Q2A	CA	Freeman et al. "B7, A New Member of the Ig Superfamily with Unique Expression on Activated and Neoplastic B Cells", <u>J. Immunol.</u> 143(8):2714-2722 (1989)
Q2A	CB	Freedman et al., "B7, A B Cell-Restricted Antigen That Identifies Preactivated B Cells" <u>J. Immunol.</u> 139:3260-3267 (1987)
Q2A	CC	Clark et al., "Polypeptides on Human B Lymphocytes Associated with Cell Activation", <u>Human Immunology</u> 16:100-113 (1986)
Q2A	CD	Yokochi et al., "B Lymphoblast Antigen (BB-1) Expressed on Epstein-Barr Virus-Activated B Cell Blasts, B Lymphoblastoid Cell Lines, and Burkitt's Lymphomas", <u>J. Immunol.</u> 128:823-827 (1981)

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Linsley and Ledbetter

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QEA	CE	Capon et al., "Designing CD4 Immunoadhesins for AIDS Therapy" <u>Nature</u> 337:525-531 (1989)
QEA	CF	Damle, "Differential Regulatory Signals Delivered by Antibody Binding to the CD28 (Tp44) Molecule During the Activation of Human T Lymphocytes", <u>J. Immunol.</u> 140:1753-1761 (1988)
QEA	CG	Ledbetter et al., "CD28 Ligation in T-Cell Activation: Evidence for Two Signal Transduction Pathways" <u>Blood</u> 75(7):1531-1539 (1990)
QEA	CH	Rosenberg et al., "A New Approach to the Adoptive Immunotherapy of Cancer with Tumor-Infiltrating Lymphocytes", <u>Science</u> 223:1318-1321 (1986)
QEA	CI	Havell, "Evidence that Tumor Necrosis Factor has an Important Role in Antibacterial Resistance", <u>J. Immunol.</u> 143:2894-2399 (1990)
QEA	CJ	Koff and Fann, "Human Tumor Necrosis Factor-Alpha Kills Herpesvirus-Infected But not Normal Cells", <u>Lymphokine Res.</u> 5:215-221 (1986)
QEA	CK	Goldstein and Laszio: "The Role of Interferon Cancer Therapy - A Current Perspective", <u>CA: A Cancer Journal for Clinicians</u> , 38:258-277 (1988)
QEA	CL	Storb et al., "Marrow Transplantation for Severe Aplastic Anemia: Methotrexate Alone Compared with a Combination of Methotrexate and Cyclosporine for Prevention of Acute Graft-Versus-Host Disease," <u>Blood</u> , 68:119-125 (1986)
QEA	CM	Storb and Thomas, "Graft-versus-Host Disease in Dog and Man: The Seattle Experience", <u>Immunol. Rev.</u> 88:215-238 (1985)
QEA	CN	Brandt et al., "Effect of Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor on Hematopoietic Reconstitution After High-Dose Chemotherapy and Autologous Bone Marrow Transplantation", <u>N. Eng. J. Med.</u> 318:869-876 (1988)
QEA	CO	Groopman et al., "Effect of Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor on Myelopoiesis in the Acquired Immunodeficiency Syndrome", <u>N. Eng. J. Med.</u> 317:593-626 (1987)
QEA	CP	Vadan-Raj et al., "Effects of Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor in Patients with Myelodysplastic Syndromes", <u>N. Eng. J. Med.</u> 317:1545-1551 (1987)

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<i>QEA</i>	CA	Mulligan and Berg, "Expression of a Bacterial Gene in Mammalian Cells", <u>Science</u> 209:1422-1427 (1988)			
<i>QEA</i>	CR	Urlaub and Chasin, "Isolation of Chinese Hamster Cell Mutants Deficient in Dihydrofolate Reductase Activity", <u>Proc. Natl. Acad. Sci.</u> 77:4616-4220 (1980)			
<i>QEA</i>	CS	Ledbetter and Herzenberg, "Xenogeneic Monoclonal Antibodies to Mouse Lymphoid Differentiation Antigens", <u>Immunol. Rev.</u> 47:62-90 (1979)			
<i>QEA</i>	CT	Hansen et al., "Monoclonal Antibodies Identifying a Novel T-Cell Antigen and Ia Antigens of Human Lymphocytes", <u>Immunogenetics</u> 10:247-260 (1980)			
<i>QEA</i>	CU	Parham, "On the Fragmentation of Monoclonal IgG1, IgG2, and IgG2b from BALB/c Mice", <u>J. Immunol.</u> 131:2895-2902 (1983)			
<i>QEA</i>	CV	Kuritani and Cooper, "Human B Cell Differentiation", <u>J. Exp. Med.</u> 155:839-848 (1982)			
<i>QEA</i>	CW	Gilliland et al., "Signal Transduction in Lymphocyte Activation Through Crosslinking of HLA Class I Molecules", <u>Human Immunology</u> 25:269-289 (1989)			
<i>QEA</i>	CX	Wayner et al., "Identification and Characterization of the T Lymphocyte Adhesion Receptor for an Alternative Cell Attachment Domain (CS-1) in Plasma Fibronectin", <u>J. Cell. Biol.</u> 109:1321-1330 (1989)			
<i>QEA</i>	CY	Goding <u>in</u> Monoclonal Antibodies: Principles and Practices, Academic Press, Orlando, FL pp. 118-125 (1983)			
<i>QEA</i>	CZ	Hellstrom et al., "Monoclonal Antibodies to Two Determinants of Melanoma-Antigen p97 Act Synergistically in Complement-Dependent Cytotoxicity", <u>J. Immunol.</u> 127:157-160 (1981)			
<i>QEA</i>	DA	Graham and Van Der Eb, "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA", <u>Virology</u> 52:456-467 (1973)			
<i>QEA</i>	DB	Malik et al., "Molecular Cloning, Sequence Analysis, and Functional Expression of a Novel Growth Regulator, Oncostatin M", <u>Molecular and Cellular Biology</u> 9:2847-2853 (1989)			

EXAMINER <i>Paul E. Leams, Ph.D.</i>	DATE CONSIDERED <i>11/17/92</i>
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q9A	DC	Linsley et al., "Elevated Levels of a High Molecular Weight Antigen Detected by Antibody W1 in Sera from Breast Cancer Patients", <u>Cancer Res.</u> 46:5444-5450 (1986)
Q9A	DD	Hellstrom et al., "Monoclonal Mouse Antibodies Raised Against Human Lung Carcinoma", <u>Cancer Res.</u> 46:3917-3923 (1986)
Q9A	DE	Gladstone and Pious, "Stable Variants Affecting B Cell Alloantigens in Human Lymphoid Cells", <u>Nature</u> 271:459-461 (1978)
Q9A	DF	Beatty et al., "Absence of Monoclonal-Antibody-Defined Protein Complex in Boy with Abnormal Leucocyte Function", <u>Lancet</u> 1:535-537 (1984)
Q9A	DG	Gaur et al., "Conservation of HLA Class I Private Epitopes in Macaques", <u>Immunogenetics</u> 27:356-361 (1988)
Q9A	DH	Pohlman et al., "An Endothelial Cell Surface Factor(s) Induced in Vitro by Lipopolysaccharide, Interleukin 1, and Tumor Necrosis Factor- $\alpha$ Increases Neutrophil Adherence by A CDw18-Dependent Mechanism", <u>J. Immunol.</u> 136:4548-4553 (1986)
Q9A	DI	Kozbor et al., "Tp44 Molecules Involved in Antigen-Independent T Cell Activation are Expressed on Human Plasma Cells", <u>J. Immunol.</u> 138:4128-4132 (1987)
Q9A	DJ	Chiorazzi et al., "Induction of Human Antibody Responses <u>In Vitro</u> with Emphasis on Allogeneic Helper Factors", <u>Immunol. Rev.</u> 45:219-241 (1979)
Q9A	DK	Ledbetter et al., "Antibodies to Tp67 and Tp44 Augment and Sustain Proliferative Responses of Activated T Cells", <u>J. Immunol.</u> 135:2331-2336 (1985)
Q9A	DL	Martin et al., "A 44 Kilodalton Cell Surface Homodimer Regulates Interleukin 2 Production by Activated Human T Lymphocytes", <u>J. Immunol.</u> 136:3282-3287 (1986)
Q9A	DM	Damle and Doyle, "Stimulation Via the Cd3 and CD28 Molecules Induces Responsiveness to IL-4 in CD4 <sup>+</sup> CD29 <sup>+</sup> CD45R <sup>+</sup> Memory T Lymphocytes", <u>J. Immunol.</u> 143:1761-1767 (1989)
Q9A	DN	Damle et al., "Immunoregulatory T Lymphocytes in Man", <u>J. Immunol.</u> 139:1501-1508 (1987)

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D. E. Adams, PhD

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Linsley and Ledbetter

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q2A	DQ	Damle et al., "Activation of Antigen-specific Suppressor T Lymphocytes in Man Involves Dual Recognition of Self Class I MHC Molecules and LEU-4/T3-Associated Structures on the Surface of Inducer T Lymphocytes", <u>J. Immunol.</u> 133:1235-1240 (1984)
Q2A	DP	Aruffo et al., "CD44 is the Principal Cell Surface Receptor for Hyaluronate", <u>Cell</u> 61:1303-1313 (1990)
Q2A	DQ	Seed and Aruffo, "Molecular Cloning of the CD2 Antigen, the T-Cell Erythrocyte Receptor, by a Rapid Immunoselection Procedure", <u>Proc. Natl. Acad. Sci.</u> 84:3365-3369 (1987)
Q2A	DR	Linsley et al., "Biosynthesis of High Molecular Weight Breast Carcinoma Associated Mucin Glycoproteins", <u>J. Biol. Chem.</u> 263:8390-8397 (1988)
Q2A	DS	Chomczynski and Sacchi, "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction", <u>Anal. Biochem.</u> 162:156-159 (1987)
Q2A	DT	Alzari et al. "Three-Dimensional Structure of Antibodies", <u>Annu. Rev. Immunol.</u> 6:555-580 (1980)
Q2A	DU	Schneck et al., "Inhibition of an Allospecific T Cell Hybridoma by Soluble Class I Proteins and Peptides: Estimation of the Affinity of a T Cell Receptor for MHC", <u>Cell</u> 56:47-55 (1989)
Q2A	DV	Recny et al., "Structural and Functional Characterization of the CD2 Immuno adhesion Domain", <u>J. Biol. Chem.</u> 265:8542-8549 (1990)
Q2A	DW	Clayton et al., "Identification of Human CD4 Residues Affecting Class II MHC Versus HIV-1 gp120 Binding", <u>Nature</u> 339:548-551 (1989)
Q2A	DX	Lasky et al., "Delineation of a Region of the Human Immunodeficiency Virus Type 1 gp120 Glycoprotein Critical for Interaction with the CD4 Receptor", <u>Cell</u> 50:975-985 (1987)
Q2A	DY	Linsley et al., "T-Cell Antigen CD28 Mediates Adhesion with B Cells by Interacting with Activation Antigen B7/BB-1", <u>Proc. Natl. Acad. Sci.</u> 87:5031-5035 (1990)
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